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Country: JP Japan

Kind: A

Inventor: NAKAI KENJI;
HIGASHIMOTO KOJI;
HIRONAKA KENSUKE;
HAYAKAWA TAKUMI;
KOMAKI AKIO;
NAKANAGA TAKEFUMI;
TANIGUCHI MASATOSHI;Assignee: SHIN KOBE ELECTRIC MACH CO LTD.
OTSUKA CHEM CO LTD
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1992-07-28 / 1990-11-30

Application Number: JP1990000333743

IPC Code: H01M 10/40; H01M 4/02;

Priority Number: 1990-11-30 JP1990000333743

Abstract:

... PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material...

... CONSTITUTION: On a stainless foil used as both a battery sheath and a collector 1, an aqueous solution of vanadium pentoxide which is a positive electrode material 2 is finely applied by means of screen printing, dried and heated. For example, a 1,2-dimethoxyethane(DME) solution of a polyphosphadine derivative in which 1mol/l of lithium perchlorate is dissolved is applied thereon by means of screen printing, and the DME is evaporated to form a solid electrolyte 3. A metal lithium foil is stuck thereon as a negative electrode active material 4, and further covered with the stainless foil of a collector 1', and the peripheral part is thermally fused by a sealing material 5 such as a modified polyethylene resin and sealed. Thus, the aggravation of the battery performance can be prevented...

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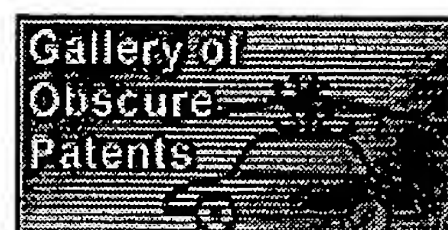
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Other Abstract: None



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Get Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: [Create new Wor](#)View: [INPADOC](#) | Jump to: [Top](#)  Go to: [Derwent...](#)[Email](#)**Title:** JP4206366A2: FLAT BATTERY**Country:** JP Japan**Kind:** A**Inventor:** NAKAI KENJI;
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HAYAKAWA TAKUMI;
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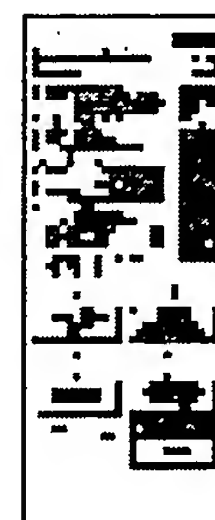
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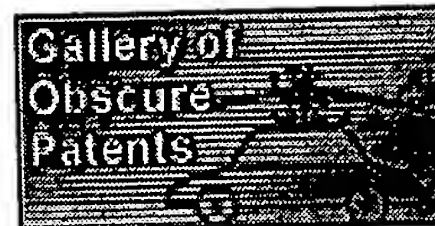
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(19)

(11) Publication number: **04**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **02333743**(51) Intl. Cl.: **H01M 10/40 H01M 4/02**(22) Application date: **30.11.90**

(30) Priority:	(71) Applicant: SHIN KOBE ELECTRIC LTD.
(43) Date of application publication: 28.07.92	OTSUKA CHEM CO LT
(84) Designated contracting states:	(72) Inventor: NAKAI KENJI
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	TANIGUCHI MASATOSH
	(74) Representative:

(54) FLAT BATTERY

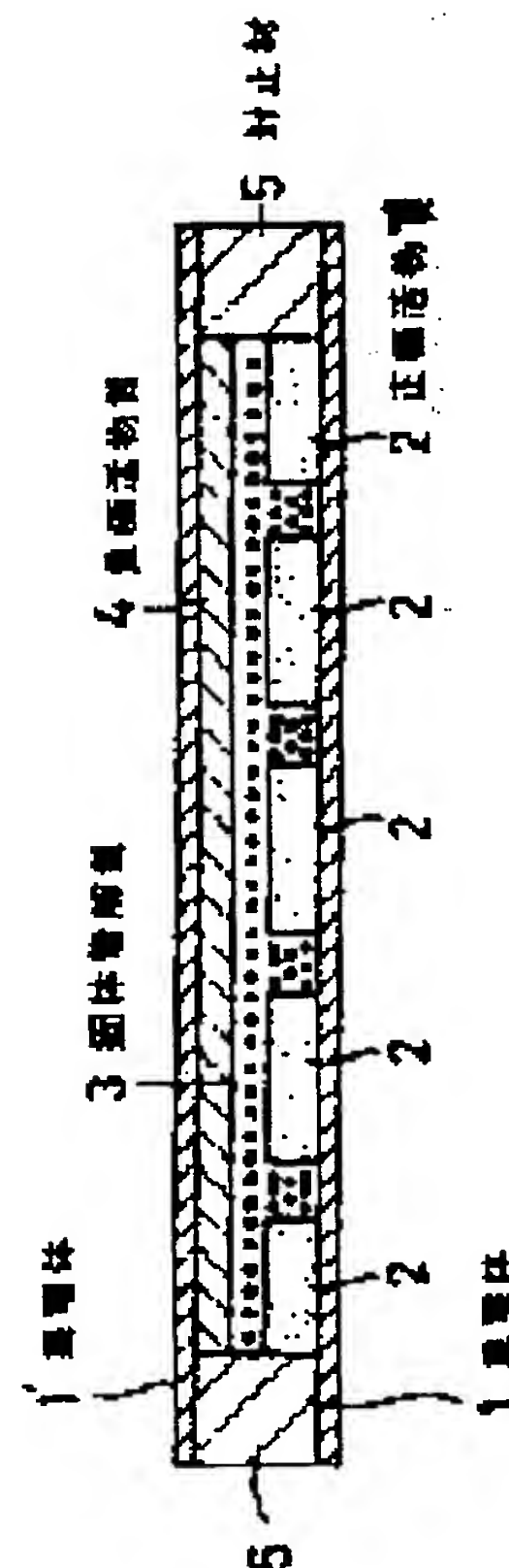
(57) Abstract:

PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material.

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